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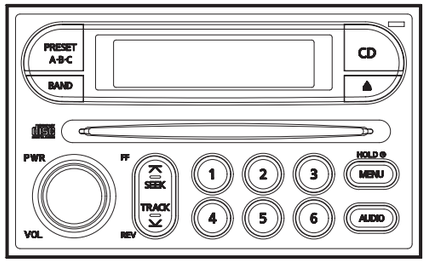
Service Manual



NISSAN MOTOR Genuine
AM/FM Radio CD Player

Model PP-2449V-G
(Genuine No. 28185 EA011)
(ID No. CY13B)

Model PP-2449V-I
(Genuine No. 28185 EA001)
(ID No. CY12B)

Model PP-2449V-J
(Genuine No. 28185 7S201)
(ID No. CY11B)

ORIGINAL SERVICE MANUAL

This additional service manual is designed to be used together with Original model.

Original model	Manual No.
PP-2449V-C	298-6104-02

DIFFERENCE FROM ORIGINAL MODEL

1. Exploded view/parts list
   Main section
   CD mechanism section
2. The parts of equalizer in circuit diagram of Main PWB section

NOTES

* We cannot supply PWB with component parts in principle. When a circuit on PWB has failure, please repair it by component parts base. Parts which are not mentioned in service manual are not supplied.
* Specifications and design are subject to change without notice for further improvement.

COMPONENT

1. Main unit ---------- 1

DIFFERENCE EXPLODED VIEW / PARTS LIST

Main section

(Refer to page 5 of the original service manual.)
The following parts are difference parts.

Some parts depend on each model.
The model name is specified in the description.

NO.	PART NO.	DESCRIPTION	Q'TY
1	940-7962-93 940-7962-95 940-7962-96	ESCUTCHEON-ASSY(V-G) ESCUTCHEON-ASSY(V-I) ESCUTCHEON-ASSY(V-J)	1
18	286-6126-73 286-6126-75 286-6126-76	SETPLATE(V-J) SETPLATE(V-G) SETPLATE(V-I)	1
20	379-1333-30	INDICATOR(LCD)	1

CD mechanism section 929-0220-86

(Refer to page 7 of the original service manual.)

The following parts are difference parts.

NO.	PART NO.	DESCRIPTION	Q'TY
1	966-0595-26	DRIVE PLATE ASSY	1
14	966-1722-20	SH-RACK ASSY	1
18	621-1716-20	RACK	1
23	621-1731-20	IDLE CASE	1
39	621-1726-20	ROLLER SLEEVE	2
45	621-1729-20	SH-BASE	1

To engineers in charge of repair or inspection of our products.

Before repair or inspection, make sure to follow the instructions so that customers and Engineers in charge of repair or inspection can avoid suffering any risk or injury.

1. Use specified parts.
   The system uses parts with special safety features against fire and voltage. Use only parts with equivalent characteristics when replacing them.
   The use of unspecified parts shall be regarded as remodeling for which we shall not be liable. The onus of product liability (PL) shall not be our responsibility in cases where an accident or failure is as a result of unspecified parts being used.
2. Place the parts and wiring back in their original positions after replacement or re-wiring.
   For proper circuit construction, use of insulation tubes, bonding, gaps to PWB, etc, is involved. The wiring connection and routing to the PWB are specially planned using clamps to keep away from heated and high voltage parts. Ensure that they are placed back in their original positions after repair or inspection.
   If extended damage is caused due to negligence during repair, the legal responsibility shall be with the repairing company.
3. Check for safety after repair.
   Check that the screws, parts and wires are put back securely in their original position after repair. Ensure for safety reasons there is no possibility of secondary ploblems around the repaired spots.
   If extended damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.
4. Caution in removal and making wiring connection to the parts for the automobile.
   Disconnect the battery terminal after turning the ignition key off. If wrong wiring connections are made with the battery connected, a short circuit and/or fire may occur. If extensive damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.
5. Cautions regarding chips.
   Do not reuse removed chips even when no abnormality is observed in their appearance. Always replace them with new ones. (The chip parts include resistors, capacitors, diodes, transistors, etc). The negative pole of tantalum capacitors is highly susceptible to heat, so use special care when replacing them and check the operation afterwards.
6. Cautions in handling flexible PWB
   Before working with a soldering iron, make sure that the iron tip temperature is around 270℃. Take care not to apply the iron tip repeatedly(more than three times)to the same patterns. Also take care not to apply the tip with force.
7. Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.
8. Cautions in checking that the optical pickup lights up.
   The laser is focused on the disc reflection surface through the lens of the optical pickup. When checking that the laser optical diode lights up, keep your eyes more than 30cms away from the lens. Prolonged viewing of the laser within 30cms may damage your eyesight.
9. Cautions in handling the optical pickup
   The laser diode of the optical pickup can be damaged by electrostatic charge caused by your clothes and body. Make sure to avoid electrostatic charges on your clothes or body, or discharge static electricity before handling the optical pickup.

9-1. Laser diode
   The laser diode terminals are shorted for transportation in order to prevent electrostatic damage. After replacement, open the shorted circuit. When removing the pickup from the mechanism, short the terminals by soldering them to prevent this damage.

9-2. Actuator
   The actuator has a powerful magnetic circuit. If a magnetic material is put close to it. Its characteristics will change. Ensure that no foreign substances enter through the ventilation slots in the cover.

9-3. Cleaning the lens
   Dust on the optical lens affects performance. To clean the lens, apply a small amount of isopropyl alcohol to lens paper and wipe the lens gently.

DIFFERENCE ELECTRICAL PARTS LIST

Main PWB(B1) section

(Refer to page 8,9 of the original service manual.)

The following parts are difference parts.

	PP-2449V-G		PP-2449V-I		PP-2449V-J	
C117	043-0277-51	0.022uF	043-0277-51	0.022uF	178-2232-78	0.022uF
C517	178-6822-78	6800pF	178-5632-78	0.056uF	178-3332-78	0.033uF
C518	178-4722-78	4700pF	178-4722-78	4700pF	043-0309-92	10V 0.68uF
C519	178-1232-78	0.012uF	178-1532-78	0.015uF	178-4732-78	0.047uF
C520	178-5622-78	5600pF	178-5622-78	5600pF	178-1042-78	0.1uF
C525	178-1232-78	0.012uF	178-1532-78	0.015uF	178-4732-78	0.047uF
C526	178-5622-78	5600pF	178-5622-78	5600pF	178-1042-78	0.1uF
C527	178-6822-78	6800pF	178-5632-78	0.056uF	178-3332-78	0.033uF
C528	178-4722-78	4700pF	178-4722-78	4700pF	043-0309-92	10V 0.68uF
C529	178-1242-78	0.12uF	178-1242-78	0.12uF	178-1842-78	0.18uF
C530 (Added part)	178-1242-78	0.12uF	178-1242-78	0.12uF	----------	Not used
C531	178-1042-78	0.1uF	178-1042-78	0.1uF	178-1842-78	0.18uF
C532	178-1042-78	0.1uF	178-1042-78	0.1uF	178-1842-78	0.18uF
C533	178-5632-78	0.056uF	178-5632-78	0.056uF	178-8232-78	0.082uF
C534 (Added part)	178-5632-78	0.056uF	178-5632-78	0.056uF	----------	Not used
C535	178-8232-78	0.082uF	178-8232-78	0.082uF	178-1242-78	0.12uF
C536	178-8232-78	0.082uF	178-8232-78	0.082uF	178-1242-78	0.12uF
C545	178-4732-78	0.047uF	178-6822-78	6800pF	178-8222-78	8200pF
C546	178-4732-78	0.047uF	178-6822-78	6800pF	178-8222-78	8200pF
C547	178-1242-78	0.12uF	178-1242-78	0.12uF	178-3332-78	0.033uF
C548	178-1242-78	0.12uF	178-1242-78	0.12uF	178-3332-78	0.033uF
C549	178-2232-78	0.022uF	178-2222-78	2200pF	178-4732-78	0.047uF
C550	178-2232-78	0.022uF	178-2222-78	2200pF	178-4732-78	0.047uF
C551	043-0309-92	10V 0.68uF	043-0309-92	10V 0.68uF	178-2232-78	0.022uF
C552	043-0309-92	10V 0.68uF	043-0309-92	10V 0.68uF	178-2232-78	0.022uF
C553	178-1042-78	0.1uF	178-8232-78	0.082uF	178-6832-78	0.068uF
C554	178-1042-78	0.1uF	178-8232-78	0.082uF	178-6832-78	0.068uF
C555	178-6832-78	0.068uF	178-6832-78	0.068uF	178-4732-78	0.047uF
C556	178-6832-78	0.068uF	178-6832-78	0.068uF	178-4732-78	0.047uF
C557	178-1042-78	0.1uF	178-8232-78	0.082uF	178-6832-78	0.068uF
C558	178-6832-78	0.068uF	178-6832-78	0.068uF	178-4732-78	0.047uF
C563	178-1042-78	0.1uF	178-8232-78	0.082uF	178-6832-78	0.068uF
C564	178-6832-78	0.068uF	178-6832-78	0.068uF	178-4732-78	0.047uF
C568	178-3932-78	0.039uF	178-2242-78	0.22uF	178-3932-78	0.039uF
C569	178-3932-78	0.039uF	178-2242-78	0.22uF	178-3932-78	0.039uF
C570	178-2242-78	0.22uF	178-3932-78	0.039uF	178-3932-78	0.039uF
C571	178-2242-78	0.22uF	178-3932-78	0.039uF	178-3932-78	0.039uF
R212	119-1031-15	1/10W 10k ohm	----------	Not used	119-1031-15	1/10W 10k ohm
R215 (Added part)	119-1031-15	1/10W 10k ohm	119-1031-15	1/10W 10k ohm	----------	Not used
R533	----------	Not used	----------	Not used	119-1221-15	1/10W 1.2k ohm
R534 (Added part)	119-4721-15	1/10W 4.7k ohm	119-4721-15	1/10W 4.7k ohm	----------	Not used
R535 (Added part)	119-2721-15	1/10W 2.7k ohm	119-8211-15	1/10W 820 ohm	----------	Not used
R536	----------	Not used	----------	Not used	119-1001-15	1/10W 10 ohm
R545 (Added part)	119-2721-15	1/10W 2.7k ohm	119-8211-15	1/10W 820 ohm	----------	Not used
R546	----------	Not used	----------	Not used	119-1001-15	1/10W 10 ohm
R547	----------	Not used	----------	Not used	119-2221-15	1/10W 2.2k ohm
R548 (Added part)	119-4721-15	1/10W 4.7k ohm	119-4721-15	1/10W 4.7k ohm	----------	Not used
R549	119-8211-15	1/10W 820 ohm	119-1221-15	1/10W 1.2k ohm	119-2221-15	1/10W 2.2k ohm
R550 (Added part)	119-8211-15	1/10W 820 ohm	119-1221-15	1/10W 1.2k ohm	----------	Not used
R551	119-3321-15	1/10W 3.3k ohm	119-3321-15	1/10W 3.3k ohm	119-2221-15	1/10W 2.2k ohm
R552	119-3321-15	1/10W 3.3k ohm	119-3321-15	1/10W 3.3k ohm	119-2221-15	1/10W 2.2k ohm
R554 (Added part)	119-1511-15	1/10W 150 ohm	119-1511-15	1/10W 150 ohm	----------	Not used
R569	119-2721-15	1/10W 2.7k ohm	119-8221-15	1/10W 8.2k ohm	119-1821-15	1/10W 1.8k ohm
R570	119-2721-15	1/10W 2.7k ohm	119-8221-15	1/10W 8.2k ohm	119-1821-15	1/10W 1.8k ohm
R571	119-8211-15	1/10W 820 ohm	119-8211-15	1/10W 820 ohm	119-1521-15	1/10W 1.5k ohm
R572	119-8211-15	1/10W 820 ohm	119-8211-15	1/10W 820 ohm	119-1521-15	1/10W 1.5k ohm
R573	119-6831-15	1/10W 68k ohm	119-6831-15	1/10W 68k ohm	119-4731-15	1/10W 47k ohm
R574	119-6831-15	1/10W 68k ohm	119-6831-15	1/10W 68k ohm	119-4731-15	1/10W 47k ohm
R575	119-4721-15	1/10W 4.7k ohm	119-8221-15	1/10W 8.2k ohm	119-8221-15	1/10W 8.2k ohm
R586	119-4721-15	1/10W 4.7k ohm	119-8221-15	1/10W 8.2k ohm	119-8221-15	1/10W 8.2k ohm
R588	119-6831-15	1/10W 68k ohm	119-6831-15	1/10W 68k ohm	119-4731-15	1/10W 47k ohm
R589	119-6831-15	1/10W 68k ohm	119-6831-15	1/10W 68k ohm	119-4731-15	1/10W 47k ohm
R595	119-1031-15	1/10W 10k ohm	119-6821-15	1/10W 6.8k ohm	119-1031-15	1/10W 10k ohm
R596	119-1031-15	1/10W 10k ohm	119-6821-15	1/10W 6.8k ohm	119-1031-15	1/10W 10k ohm
R597	119-1831-15	1/10W 18k ohm	119-1031-15	1/10W 10k ohm	119-1031-15	1/10W 10k ohm
R598	119-1831-15	1/10W 18k ohm	119-1031-15	1/10W 10k ohm	119-1031-15	1/10W 10k ohm

Switch PWB(B2) section

(Refer to page 9 of the original service manual.)

The following part is the difference part.

REF No.	PART No.	DESCRIPTION
LCD1	379-1333-30	LCD

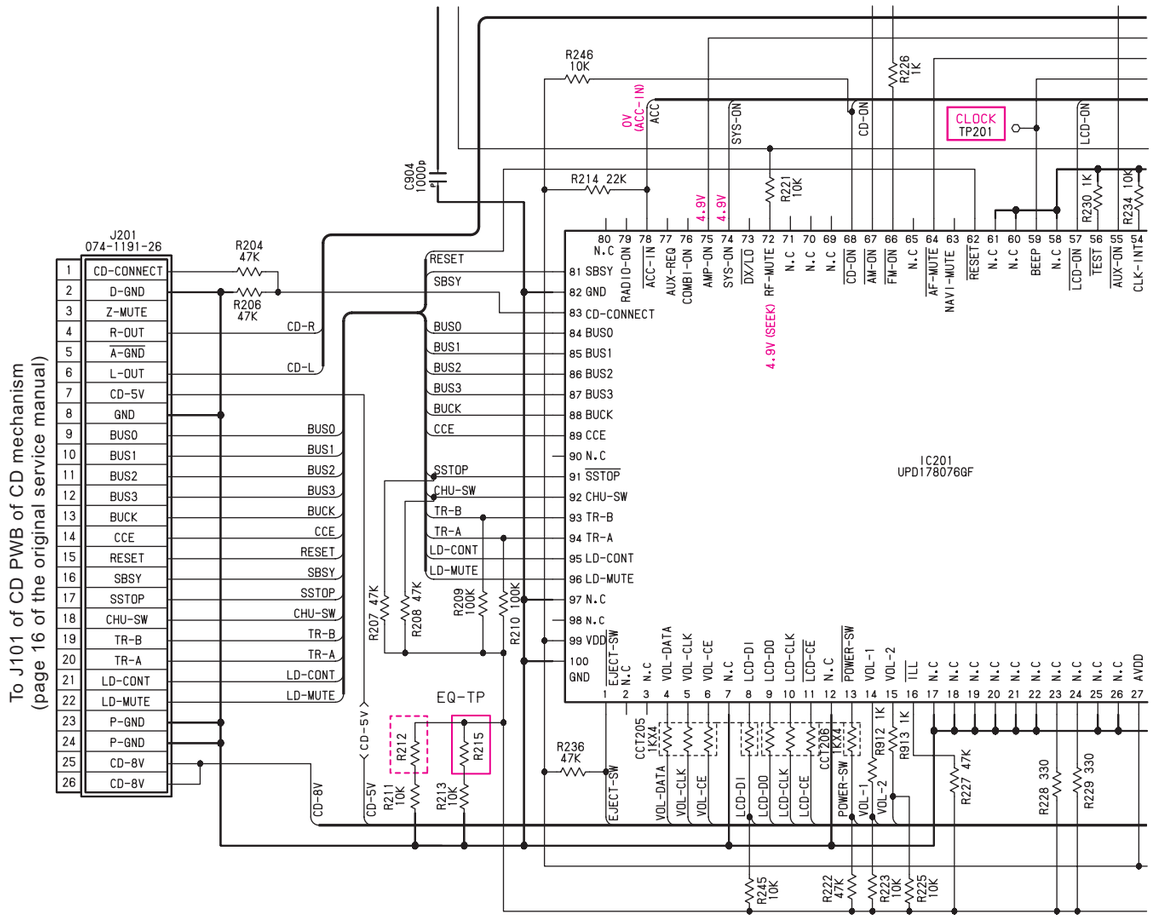
DIFFERENCE CIRCUIT DIAGRAM

Main PWB(B1) section 1/2

(Refer to page 12 of the original service manual.)

: Difference part according to model
Refer to "DIFFERENCE ELECTRICAL PARTS LIST" .

: Added part with original model
Refer to "DIFFERENCE ELECTRICAL PARTS LIST" for the difference according to the model.



Main PWB(B1) section 2/2

(Refer to page 13 of the original service manual.)

: Difference parts according to model
Refer to "DIFFERENCE ELECTRICAL PARTS LIST" of page2.

: Added parts with original model
Refer to "DIFFERENCE ELECTRICAL PARTS LIST" of page2 for the difference according to the model.

To 1/2 (page 12 of the original service manual)

A	FRONT LEFT SP (+)
B	FRONT RIGHT SP (+)
C	ILLUMINATION
D	ACC
E	FRONT LEFT SP (−)
F	FRONT RIGHT SP (−)
G	ANT SIGNAL
H	BACK UP
I	ILLUMI CONTROL
J	GND
K	NC
L	REAR RIGHT SP (+)
M	GND
N	REAR LEFT SP (−)
O	REAR LEFT SP (+)
P	REAR RIGHT SP (−)

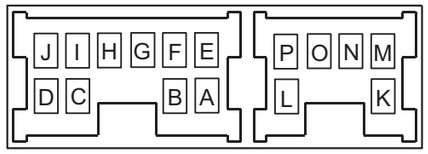
To J901 of Switch PWB
(page 11 of the original service manual)

DIFFERENCE PRINTED WIRING BOARD

Main PWB(B1) section : COMPONENT SIDE

(Refer to page 14 of the original service manual.)

: Added parts with original model

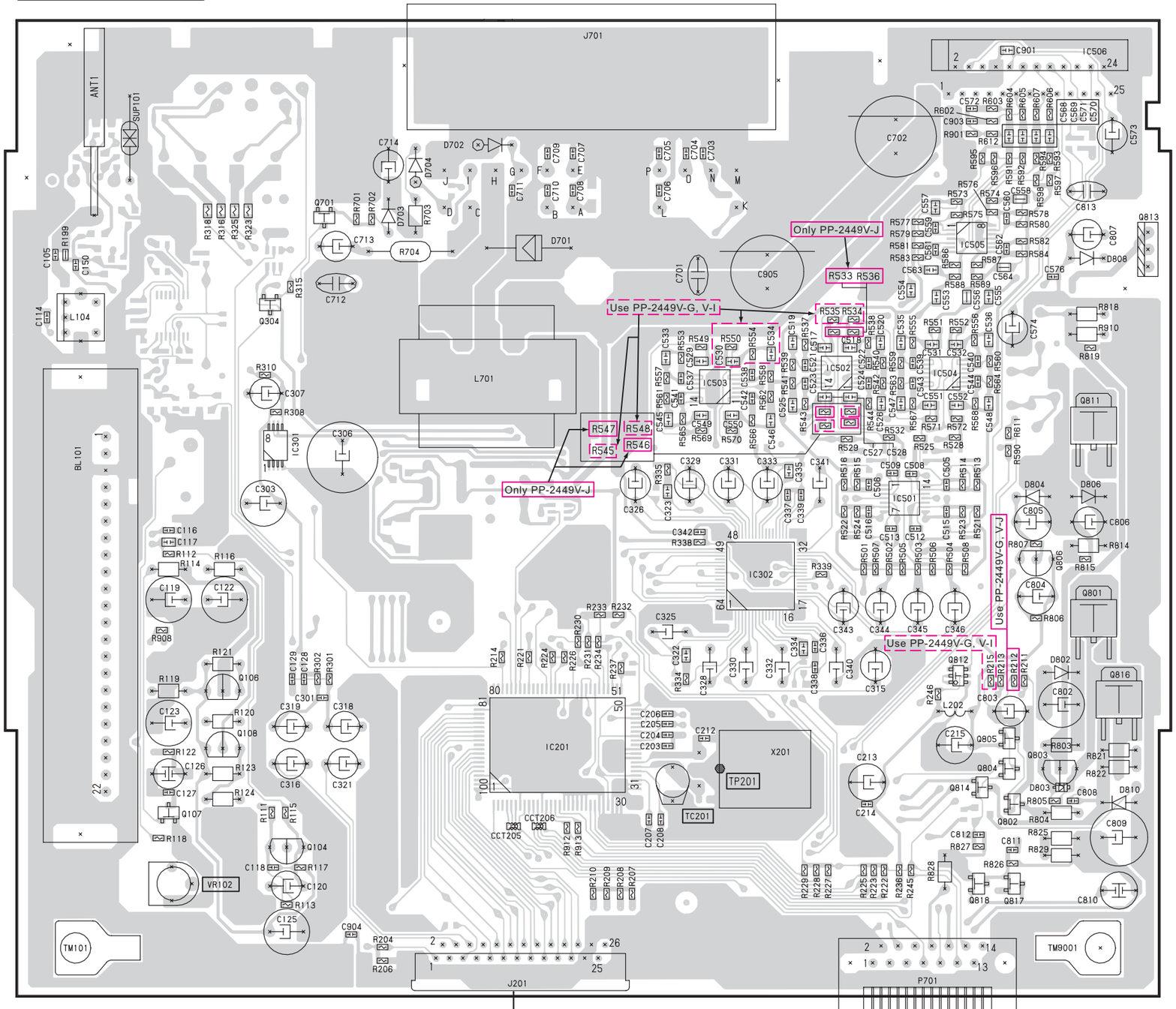


A	FRONT LEFT SP (+)
B	FRONT RIGHT SP (+)
C	ILLUMINATION
D	ACC
E	FRONT LEFT SP (−)
F	FRONT RIGHT SP (−)
G	ANT SIGNAL
H	BACK UP

I	ILLUMI CONTROL
J	GND
K	NC
L	REAR RIGHT SP (+)
M	GND
N	REAR LEFT SP (−)
O	REAR LEFT SP (+)
P	REAR RIGHT SP (−)

COMPONENT SIDE

Q	IC
	506
701	
813	
304	
	504
	502
	503
811	
	301
	501
	302
801	
812	
106 816	
108 805	
804 803	
814	
107 802	
104	
818 817	



Caution:
COMPONENT SIDE: Parts on the component side seen from the component side are indicated.

MAIN PWB (B1)

To J101 of CD PWB of CD mechanism (page 16 of the original service manual)

To J901 of Switch PWB (page 11 of the original service manual)